	Application No.	Applicant(s)		
	Application No.	Applicatings	Applicanits	
Notice of Allowability.	10/621,447	KWON ET AL.		
Notice of Anowability.	Examiner	Art Unit		
	Leila Malek	2611		
The MAILING DATE of this communica All claims being allowable, PROSECUTION ON THE MI nerewith (or previously mailed), a Notice of Allowance (I NOTICE OF ALLOWABILITY IS NOT A GRANT OF PA of the Office or upon petition by the applicant. See 37 C	ERITS IS (OR REMAINS) CLOSED in PTOL-85) or other appropriate commu ATENT RIGHTS. This application is s	this application. If not included nication will be mailed in due course		
. ☑ This communication is responsive to <u>09/14/2007</u> .				
2. X The allowed claim(s) is/are <u>1-16</u> .				
. Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a)-(d) of	or (f).		
a) ⊠ All b) ☐ Some* c) ☐ None of the		•		
 Certified copies of the priority docum 	ents have been received.			
2. Certified copies of the priority docum	ents have been received in Applicatio	n No		
3. Copies of the certified copies of the p	priority documents have been received	in this national stage application fro	m the	
International Bureau (PCT Rule 17.2	(a)).			
* Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILIN noted below. Failure to timely comply will result in AB THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	ANDONMENT of this application.	a reply complying with the requirement	ents	
. A SUBSTITUTE OATH OR DECLARATION must INFORMAL PATENT APPLICATION (PTO-152)			E OF	
5. CORRECTED DRAWINGS (as "replacement she	eets") must be submitted.			
(a) including changes required by the Notice of I	Draftsperson's Patent Drawing Reviev	(PTO-948) attached		
1) 🗌 hereto or 2) 📋 to Paper No./Mail Da	ate			
(b) including changes required by the attached E Paper No./Mail Date	Examiner's Amendment / Comment or	in the Office action of		
Identifying indicia such as the application number (see each sheet. Replacement sheet(s) should be labeled as			of	
		RIAL must be submitted. Note th		

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1. ☐ Notice of References Cited (PTO-892)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)
Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date
 Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. 🔲	Notice of Informal Patent Application
6. 🗌	Interview Summary (PTO-413), Paper No./Mail Date
7. 🗌	Examiner's Amendment/Comment
8. 🗵	Examiner's Statement of Reasons for Allowance

9. Other ____.



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DETAILED ACTION

Response to Arguments

1. Applicant's arguments, see pages 2-3 of Remarks, filed on 07/03/2007, with respect to rejection of claims 1 and 9 have been fully considered and are persuasive. The rejections have been withdrawn.

Allowable Subject Matter

2. Claims 1-16 are allowed. The following is an examiner's statement of reasons for allowance:

As to claims 1 and 9, a comprehensive search of prior art of record (e.g. see the prior art references cited in the previous Office Actions) failed to disclose, either alone or in combination, an apparatus, comprising: a correlation unit for obtaining a correlation function of a received synchronizing signal and a reference synchronizing signal; a first estimating unit for estimating a first multi-path by applying a first threshold value to the correlation function of the first received signal; a correlation noise removing unit for obtaining a correlation function of a second received signal by removing correlation noise included in the correlation function of the first received signal; and a second estimating unit for estimating a second multi-path by applying a second threshold value to the correlation function of the second received signal in which the correlation noise has been removed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably



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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leila Malek whose telephone number is 571-272-8731.

The examiner can normally be reached on 9AM-5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mohammad Ghayour can be reached on 571-272-3021. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Leila Malek Examiner Art Unit 2611 Application/Control Number: 10/621,447 Art Unit: 2611

L.M.